

At Dach+Holz: SCM's new entries for timber construction

SCM further expands its solutions for the sector. Of interest to X-lam/CLT panel manufacturers, the new AREA X cnc machining centre and world preview of the new project for sanding, the DMC SYSTEM XL.

Other new entries include the 3.0 version of the SCM Maestro beam&wall software, developed to optimize the whole workflow.

*Cologne, 5-8 July 2022
Hall 7– Stand 7.402*

SCM confirms its participation in the next edition of **Dach+Holz** (Cologne, 5-8 July) where it will present its latest products for timber construction. A sector in which the Italian Group continues to invest as it is clear both from the latest *new entry* to the range, **AREA X**, a cnc machining centre designed for X-lam/CLT panels and curved beams, and the new 3.0 version of its **Maestro beam&wall** proprietary software that simplifies and optimises the production of structural elements, starting from the specific customers' requirements.

And besides, in line with the growing demand from the market, SCM is also entering the **X-lam/CLT wall panel sanding** sector with a project that will be presented at the trade fair for the very first time, the **DMC SYSTEM XL**.

The new solutions are part of a technological innovation path that stretches back **seventy years**, an anniversary that SCM is celebrating in 2022. It is precisely on the basis of the values of expertise and innovation that the new "**Deep-rooted Technology**" campaign will be launched at the exhibition, highlighting how SCM's solutions for the wood building sector have "deep roots" and as Tommaso Martini, Business Unit Manager of SCM systems for timber construction explains, "*they draw strength from an exclusive experience in the development of advanced numeric control machining centres for the entire woodworking industry*".

AREA X, 5-axis cnc machining centre with gantry-type structure, for SMEs in the timber construction sector

Excellent machining quality and maximum reliability: these are the advantages of the new AREA X model dedicated to manufacturers of timber structural elements.

By this CNC machining centre it is possible to produce **finished elements, ready for assembly on the work site**, as well as to **zero downtimes** caused by any problems.

AREA X positions itself at the centre of the SCM 5-axis cnc machining centre range with a mobile gantry-type structure and PRO worktable for the production of **X-lam/CLT panels for walls and floors** as well as of **curved beams**. This solution allows you to process elements of **up to 3,600 mm width and 360 mm thickness, while the length can reach up to 36 metres**.

The **PRO version worktable** is the key feature of this new model. **The high level of configurability comes from the availability of five different bases (from 16,000 to 36,000 mm)** that can be equipped with automatic systems for workpiece reference and locking, together with innovative cleaning systems for the work area.

AREA X can have a simpler worktable for a stand-alone machine version or a more complete one for a machine version to be integrated into high productivity lines.

The **30 kW machining head unit** guarantees excellent performance even under heavy duty conditions and is supported by a specific exhaust system for dust-free operations.

The tool store can accommodate up to 15 tools and/or special aggregates to cover all possible machining operations: squaring, rebating, routing, drilling, nesting cutting, execution of sharp edges, slots and notches.

AREA X, as well as all SCM's cnc machining centres for timber construction, is equipped with **Maestro beam&wall**, the software that allows the programming and management of the whole workflow easily and quickly. Operator's work is also facilitated by the use of the double **eye-M console**, dedicated both to the Maestro beam&wall software and to a **video surveillance system** connected to four HR video cameras, for total control of the production process in real time.

Maestro beam&wall: SCM's 'mind' for timber construction, now in a new version 3.0

At Dach+Holz, SCM will also present the latest 3.0 version of its Maestro beam&wall software, designed to process structural elements and, more specifically: **roofs, structural beams and columns, wall and floor panels, solid wood beams including round ones, blockhaus, curved glulam beams and insulation panels.**

As well as offering all the advantages of a **proprietary software**, entirely developed by those who knows both the machine and the machining process, Maestro beam&wall was born out of years of experience in the field and continuous collaboration with customers to find the best solution to their needs for **optimised workflow** and **increased production flexibility.**

The new 3.0 software version features a **completely modernised graphic programming interface**, in line with the design CAD systems used by architects.

Furthermore, Maestro beam&wall 3.0 is enhanced with new functions:

- **"Advanced" nesting function for machining beams and panels**, to know in advance the amount of material necessary to complete the project and achieve a more significant reduction in waste.
- **2D freehand drawing function** to create particular shapes not included in the macro standards of the BTL language.

The latest innovation is the possibility to use Maestro beam&wall **either on a PC in the office or on the eye-M operator console, i.e. directly the machine on-board even for programming**, an important advantage for companies relying on flexibility of use to increase their productivity.

New horizons for sanding X-lam/CLT wall panels

SCM extends its many years of experience in sanding to the timber construction sector with a new project for machining X-lam/CLT walls.

DMC SYSTEM XL is a solid, reliable and highly technological solution that offers configuration versatility and unification of the components and parts in common to optimise management costs.

This new solution involves a **solid steel structure** capable of machining the upper side of the **walls up to 3700 mm wide and 550 mm thick.** Its strength is the **modularity** that for decades has been one of the most popular advantages of DMC sanding range.

At this initial stage, **three modules** have been developed (roller unit, pad unit and crossbelt unit) **that can be combined with one another** based on specific production requirements. Moreover, at a later date, the customer will be able to add further units to the selected configuration, achieving an efficient and coherent integration between machines, controls and electrical panels.

At the planning stage, top-quality materials and components have been chosen to last long and withstand the most intense machining. Furthermore, the heart of the DMC SYSTEM XL technology was developed to make the operator's maintenance work easy, fast and always safe.

SCM's approach to X-lam/CLT sanding is to help customers distinguish themselves on the market with solutions aimed at improving the surface finishing and increase the value of the finished product.

Scm Group is a global leader in technologies for machining a wide range of materials and industrial components. Across the globe, the group's companies act as highly reliable partners to leading industries in a wide range of product sectors, from furniture to construction, automotive to aerospace, and yachting to plastic machining.

Scm Group coordinates, supports and develops a system of industrial excellence in 3 large highly specialised production centres in Italy, with a turnover in excess of 750 million Euro, with 4,000 employees and a direct presence in all 5 continents.

Press Office

Alessandra Leardini – alessandra.leardini@scmgroup.com Tel. +39 0541 700230 - mob. +39 344 3483015.